

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX050219\
 Data File : VX009290.D
 Acq On : 02 May 2019 21:56
 Operator : JC/SP
 Sample : K2660-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW052-190429

Quant Time: May 03 02:46:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	183960	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	301057	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	256983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102594	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	124576	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	
35) Dibromofluoromethane	5.50	113	91460	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	
50) Toluene-d8	8.71	98	371882	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
62) 4-Bromofluorobenzene	11.13	95	119170	42.92	ug/l	0.00
Spiked Amount			Recovery	=	85.84%	

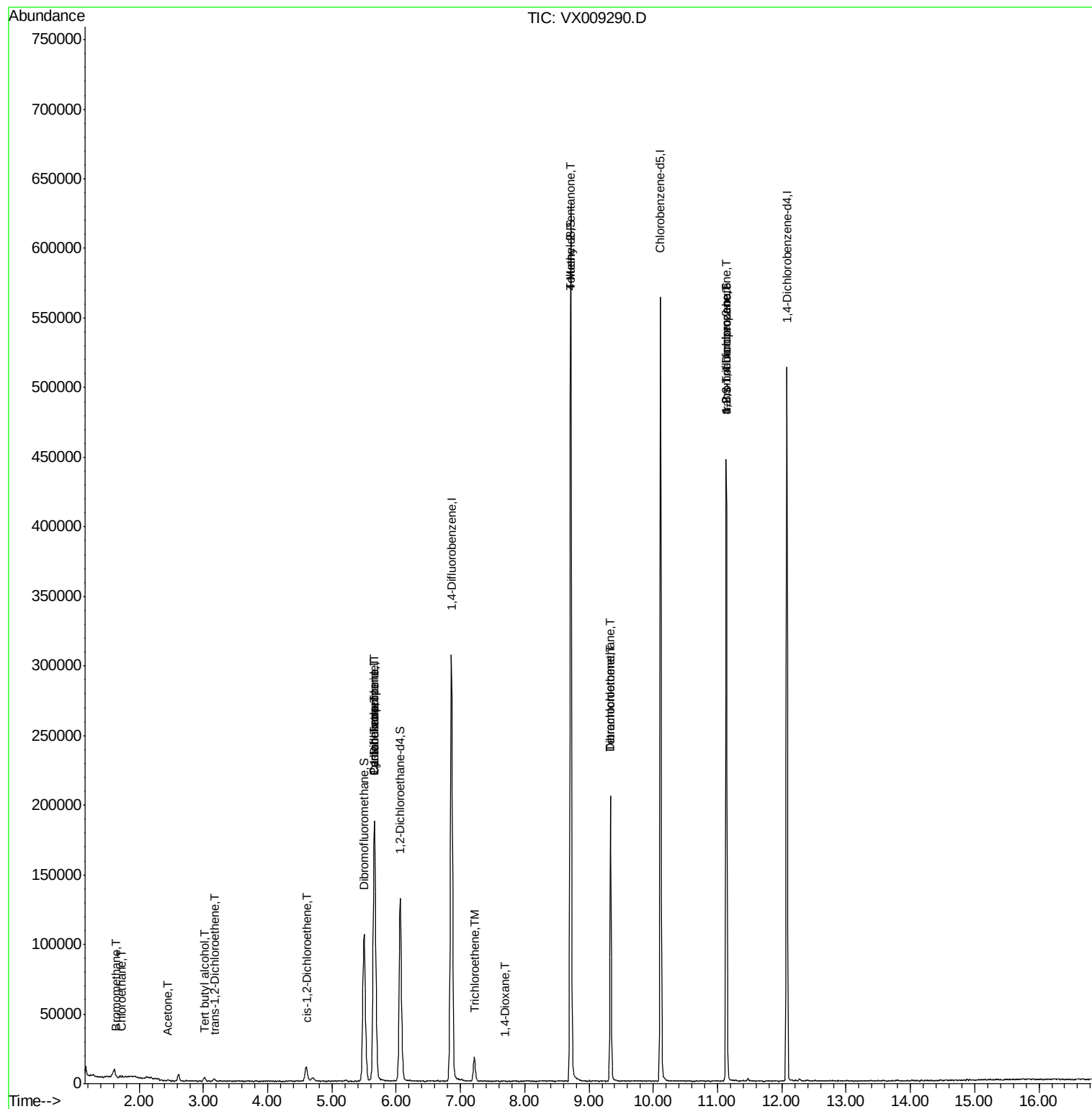
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	319	0.235	ug/l #	28
6) Chloroethane	1.73	64	1010	0.697	ug/l #	67
11) Tert butyl alcohol	3.01	59	1597	2.747	ug/l #	88
16) Acetone	2.44	43	846	0.627	ug/l #	87
21) trans-1,2-Dichloroethene	3.17	96	703	0.376	ug/l	92
27) cis-1,2-Dichloroethene	4.60	96	6180	2.766	ug/l	92
28) Bromochloromethane	5.01	49	44	Below Cal	#	20
31) Cyclohexane	5.66	56	4017	1.082	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14454	5.166	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17469	6.872	ug/l #	16
44) Trichloroethene	7.21	130	6674	3.188	ug/l	97
49) 1,4-Dioxane	7.69	88	20	0.319	ug/l #	1
51) 4-Methyl-2-Pentanone	8.71	43	2043	0.501	ug/l #	1
60) Dibromochloromethane	9.34	129	37064	17.673	ug/l #	11
64) Tetrachloroethene	9.34	164	39416	22.360	ug/l	100
76) 1,2,3-Trichloropropane	11.13	75	61539	25.859	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61539	66.163	ug/l #	10

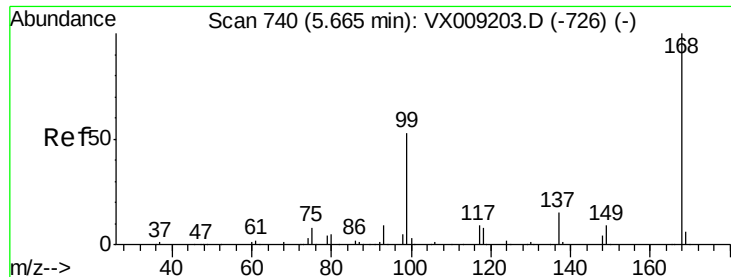
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

Instrument :

MSVOA_X

ClientSampleId :

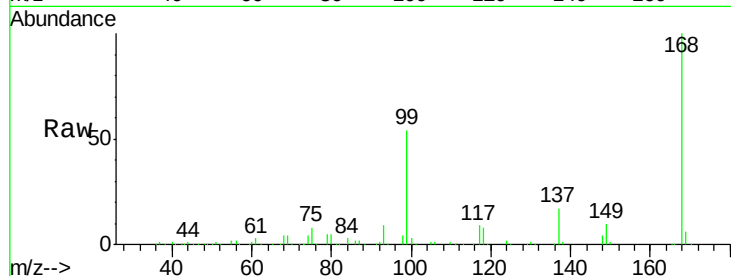
SS050MW052-190429

Tot Ion:168 Resp: 183960

Ion Ratio Lower Upper

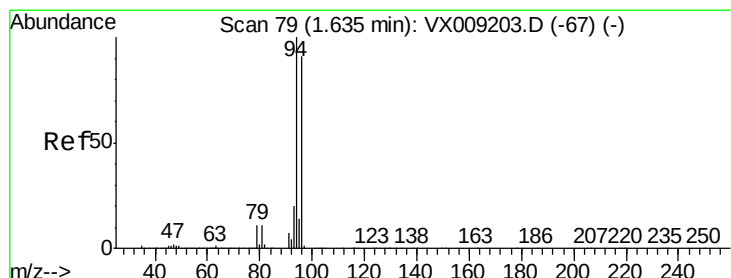
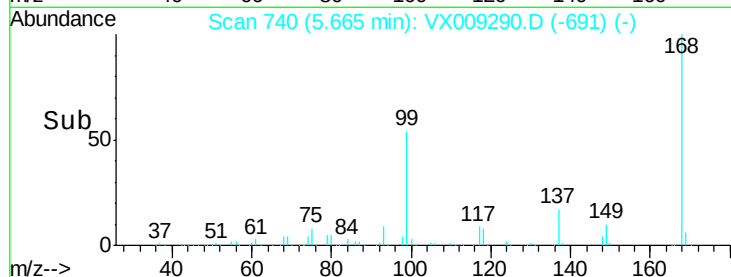
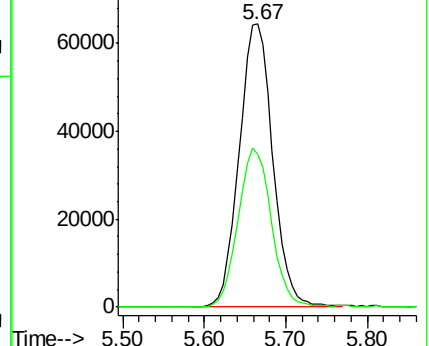
168 100

99 53.8 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.235 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009290.D

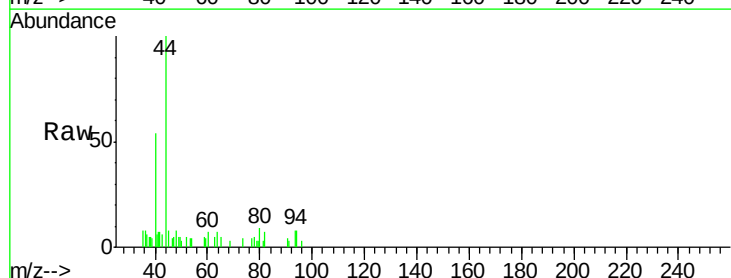
Acq: 02 May 2019 21:56

Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

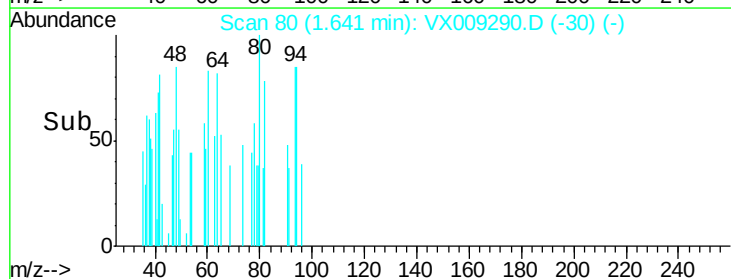
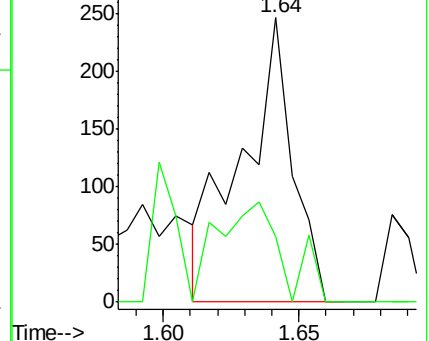
94 100

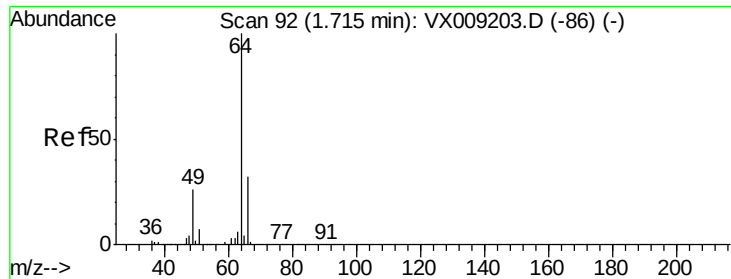
96 22.8 73.0 109.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.697 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.02 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

Instrument :

MSVOA_X

ClientSampleId :

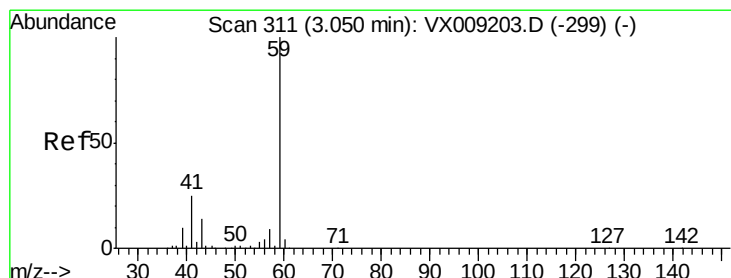
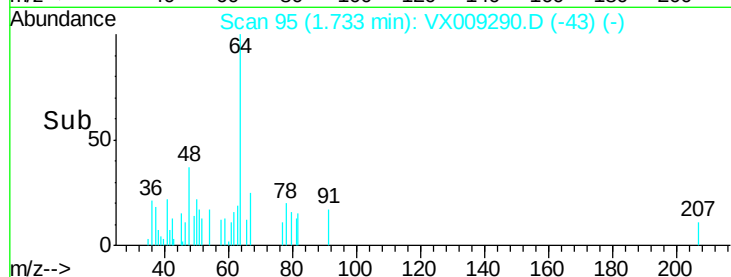
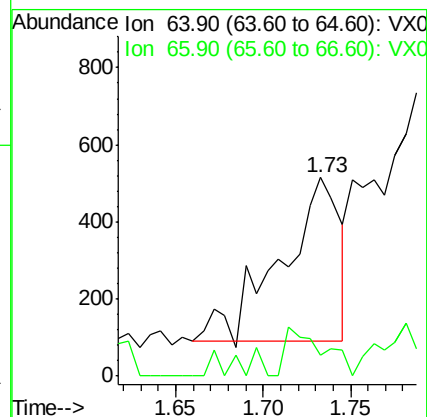
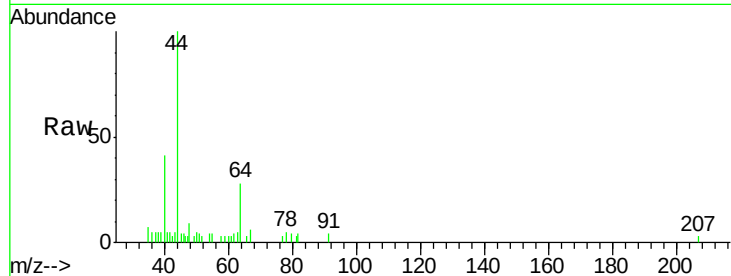
SS050MW052-190429

Tot Ion: 64 Resp: 1010

Ion Ratio Lower Upper

64 100

66 13.2 25.3 37.9#



#11

Tert butyl alcohol

Concen: 2.747 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.04 min

Lab File: VX009290.D

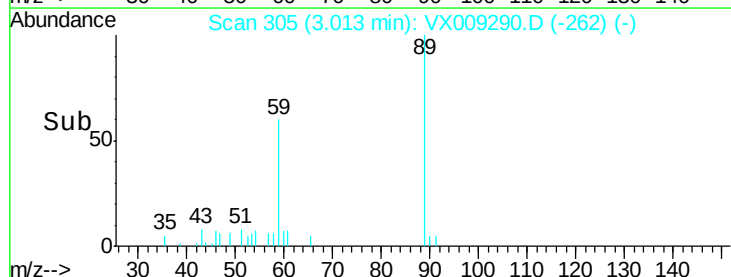
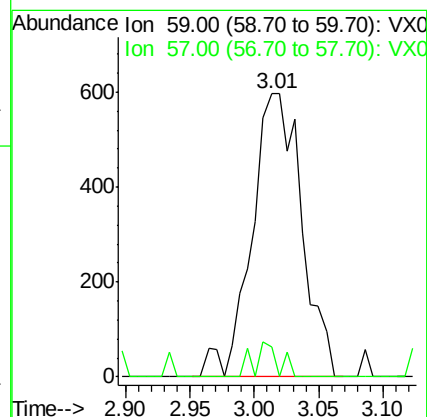
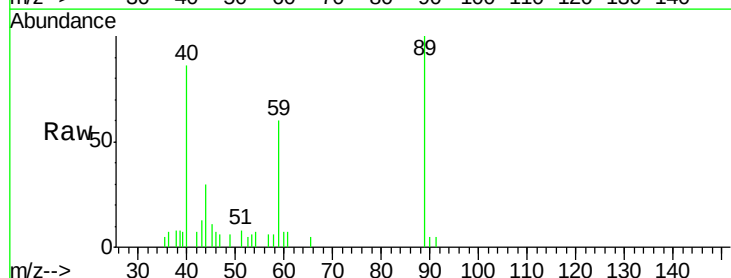
Acq: 02 May 2019 21:56

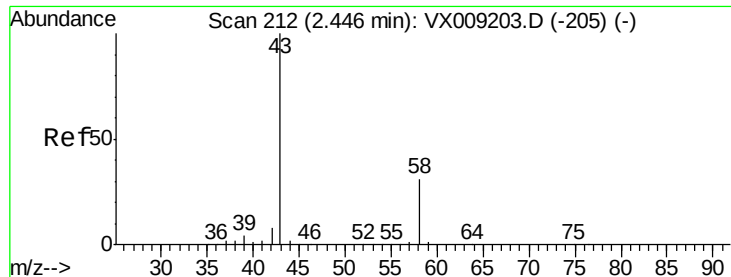
Tgt Ion: 59 Resp: 1597

Ion Ratio Lower Upper

59 100

57 5.7 8.2 12.2#





#16

Acetone

Concen: 0.627 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

Instrument :

MSVOA_X

ClientSampleId :

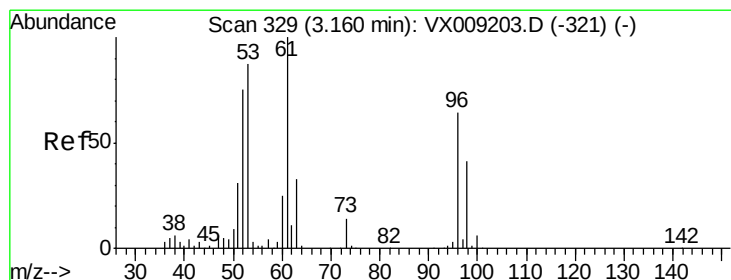
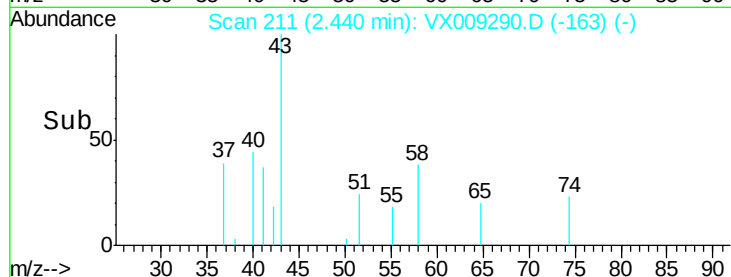
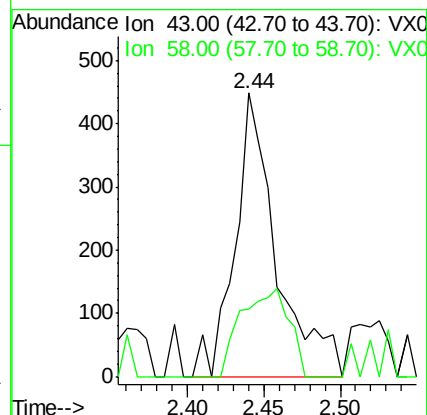
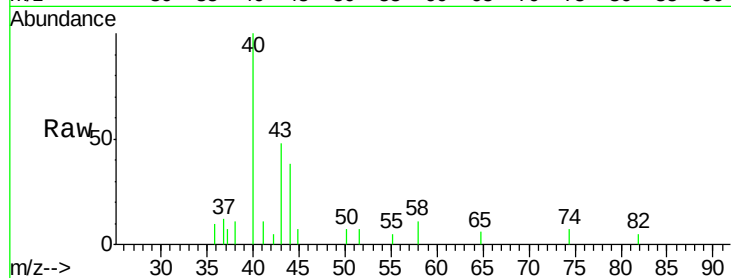
SS050MW052-190429

Tot Ion: 43 Resp: 846

Ion Ratio Lower Upper

43 100

58 23.9 24.9 37.3#



#21

trans-1,2-Dichloroethene

Concen: 0.376 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

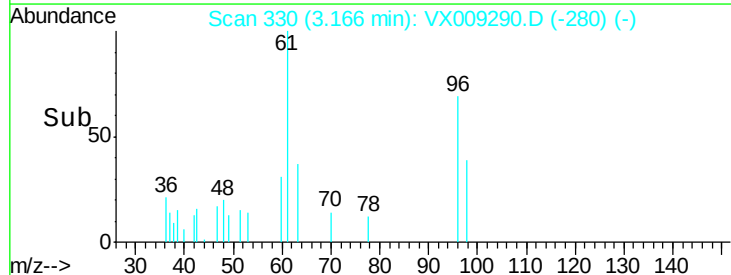
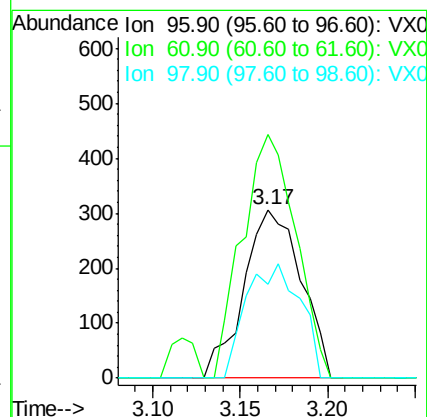
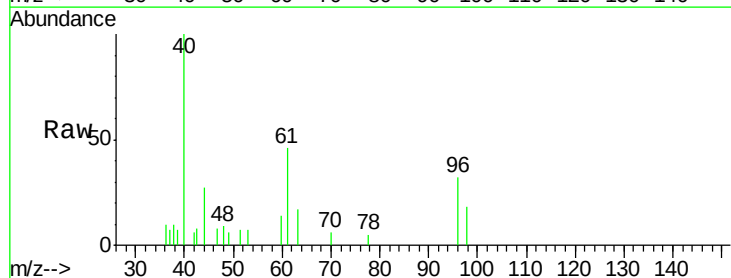
Tgt Ion: 96 Resp: 703

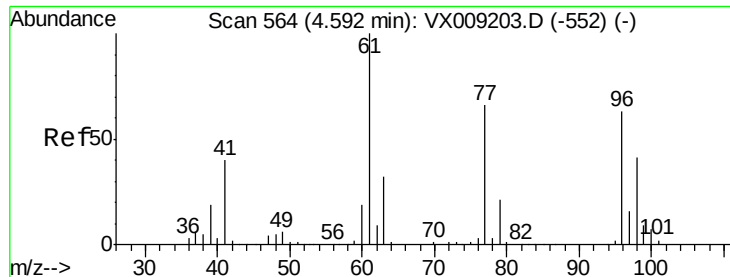
Ion Ratio Lower Upper

96 100

61 144.8 124.5 186.7

98 56.2 50.4 75.6



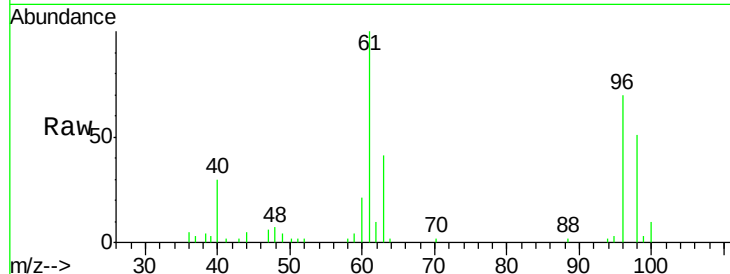


#27

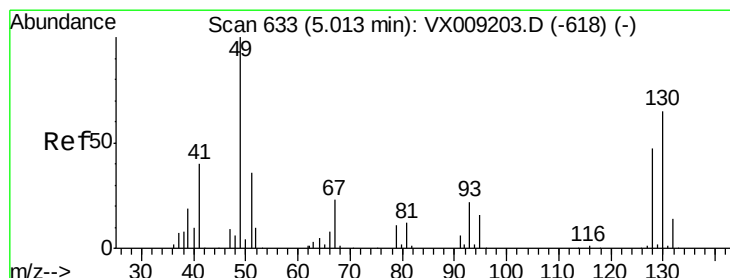
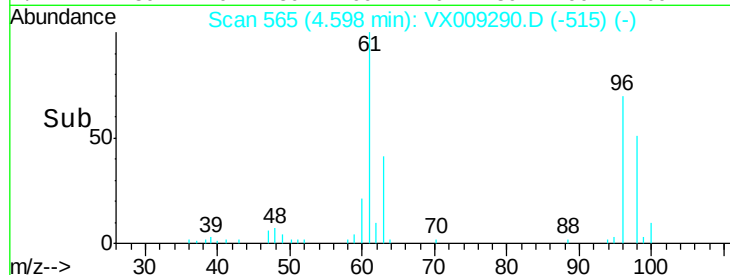
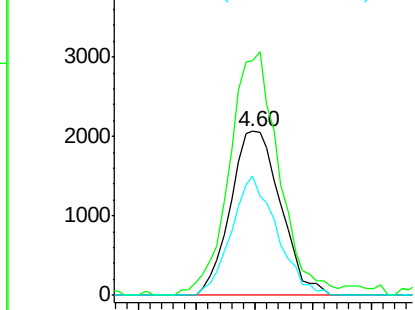
cis-1,2-Dichloroethene
Concen: 2.766 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Instrument :
MSVOA_X
ClientSampleId :
SS050MW052-190429

Tot Ion: 96 Resp: 6180
Ion Ratio Lower Upper
96 100
61 146.7 0.0 324.0
98 65.8 0.0 130.4



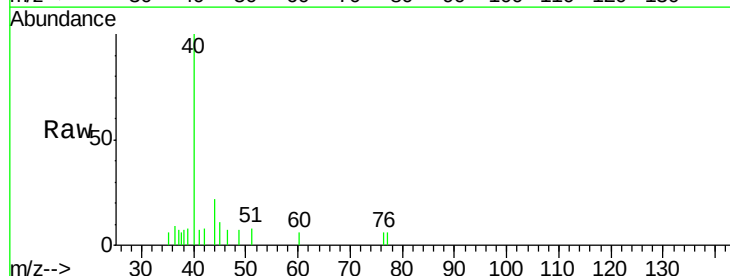
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



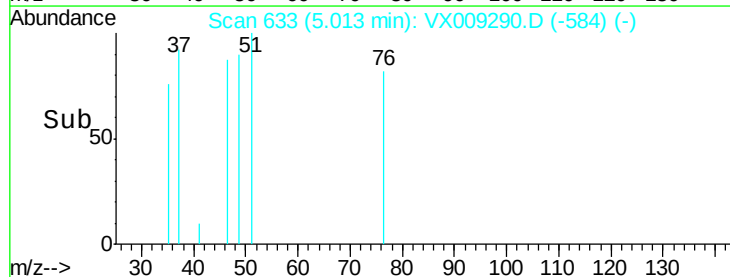
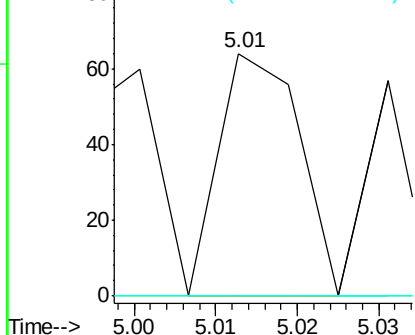
#28

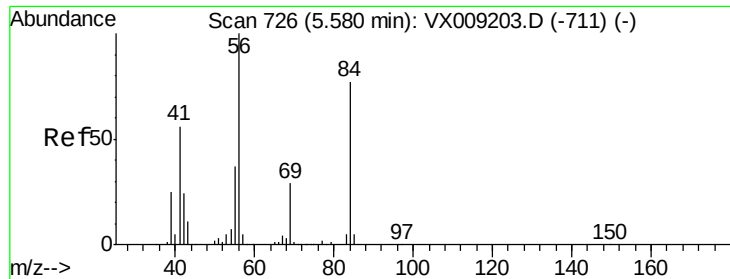
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Tgt Ion: 49 Resp: 44
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.8
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

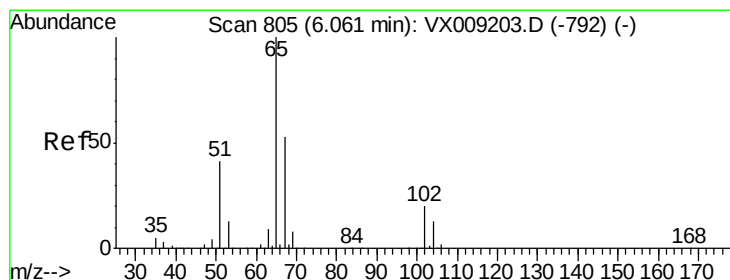
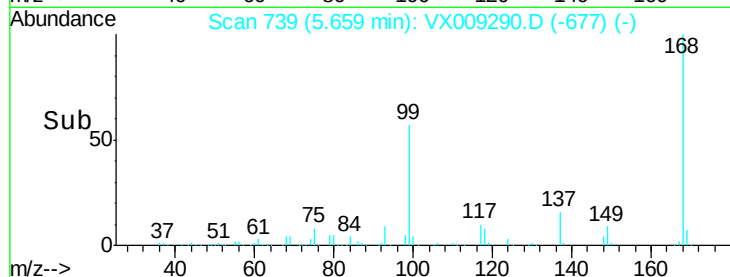
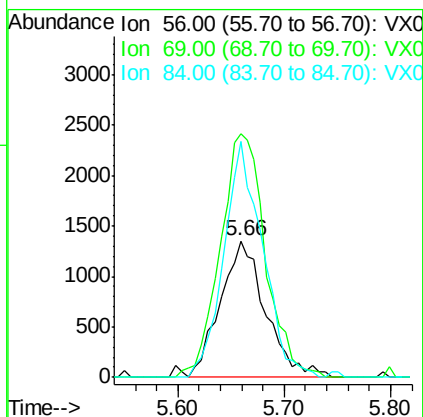
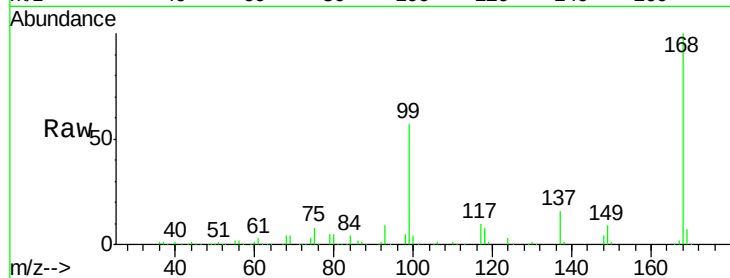




#31
Cyclohexane
Concen: 1.082 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

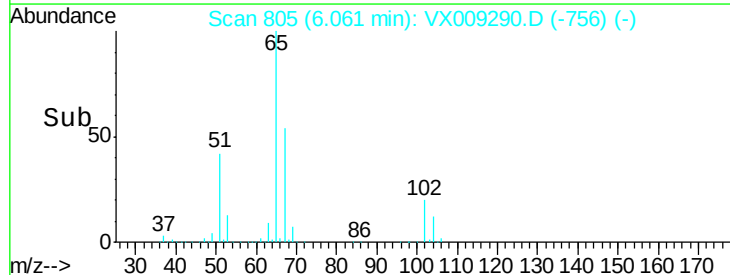
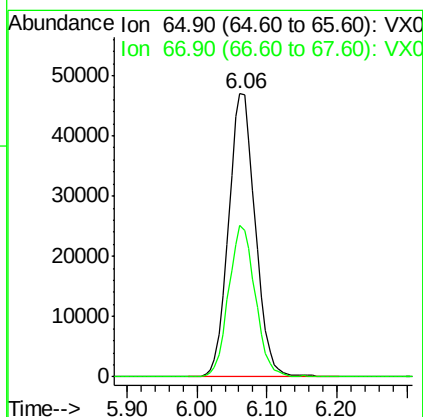
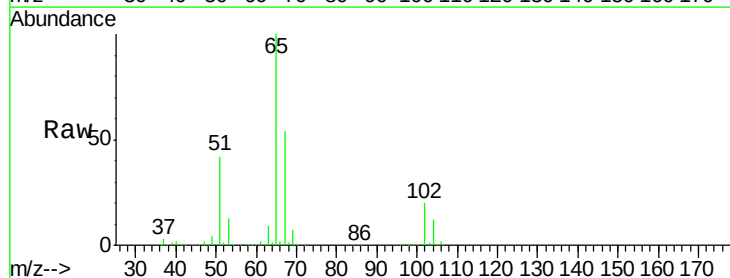
Instrument :
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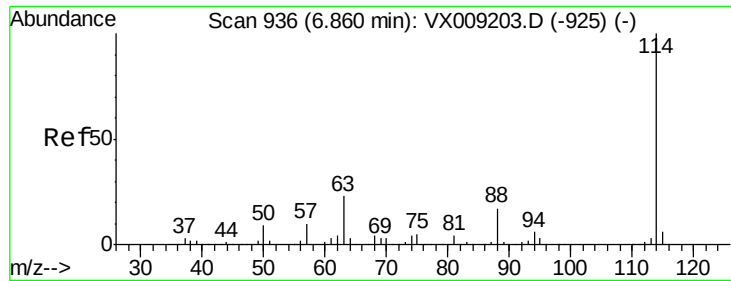
Tot Ion: 56 Resp: 4017
Ion Ratio Lower Upper
56 100
69 178.6 23.4 35.0#
84 173.4 61.9 92.9#



#33
1,2-Dichloroethane-d4
Concen: 49.607 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Tgt Ion: 65 Resp: 124576
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.6

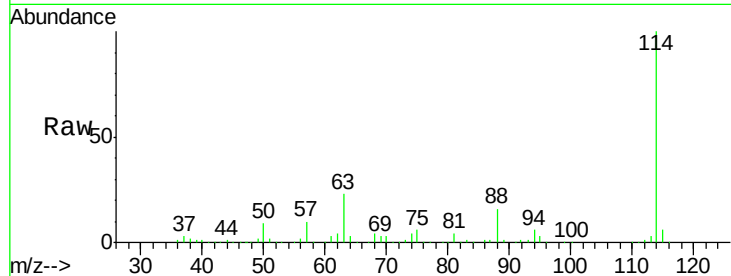




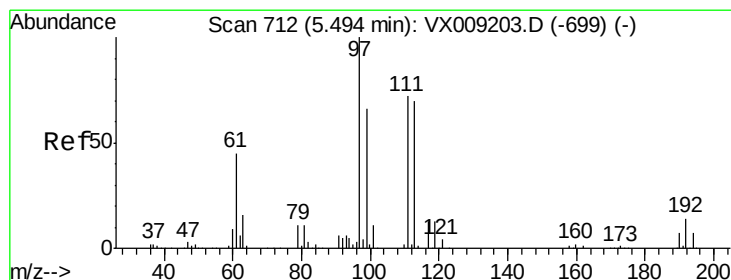
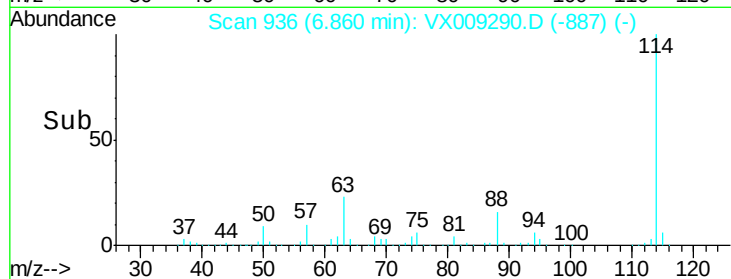
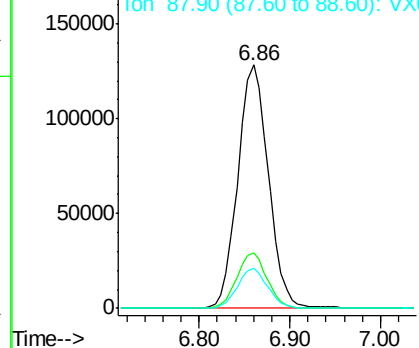
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009290.D
 Acq: 02 May 2019 21:56

Instrument :
 MSVOA_X
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 SS050MW052-190429

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.6
88	16.5	0.0	33.2

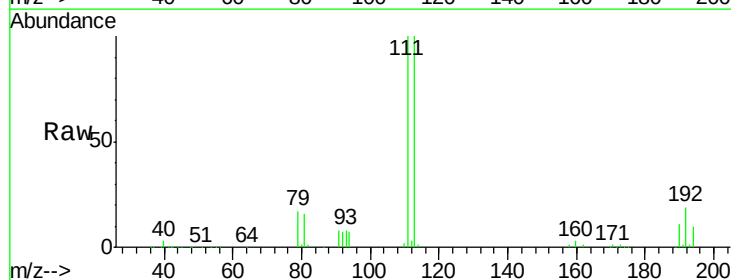


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

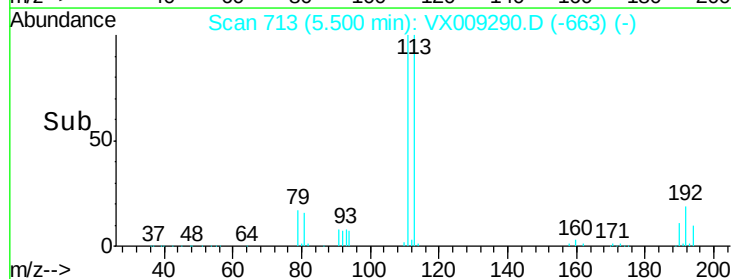
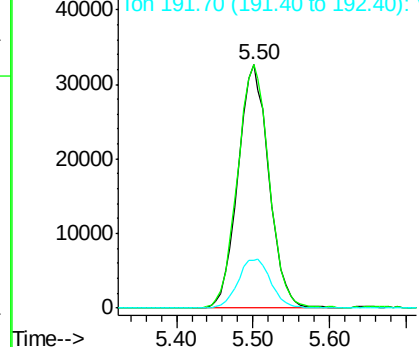


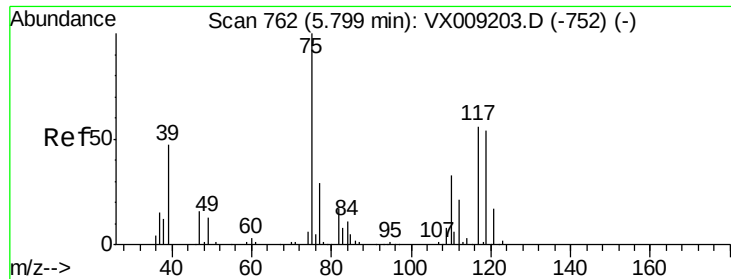
#35
 Dibromofluoromethane
 Concen: 48.326 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009290.D
 Acq: 02 May 2019 21:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.8	124.2
192	21.2	17.0	25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

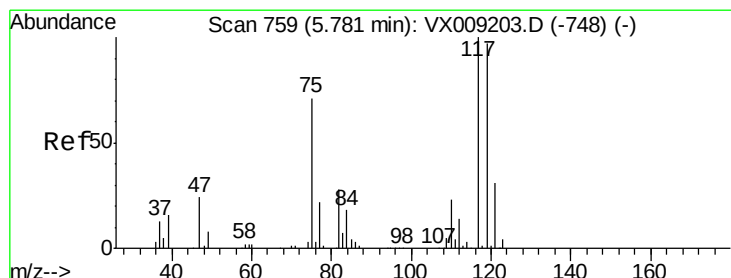
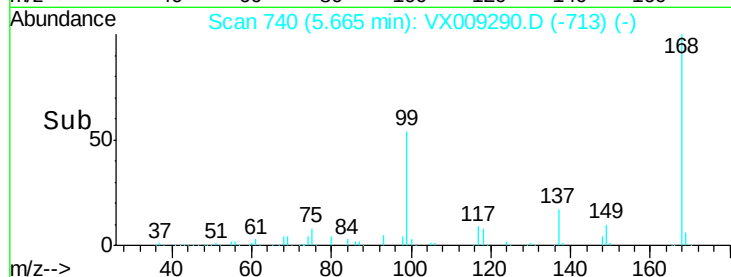
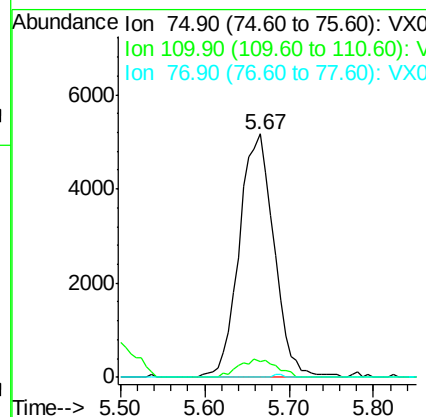
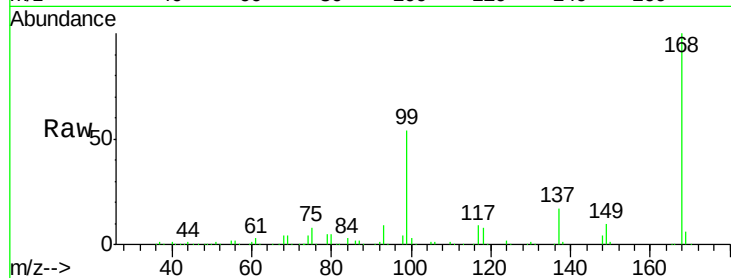




#36
 1,1-Dichloropropene
 Concen: 5.166 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009290.D
 Acq: 02 May 2019 21:56

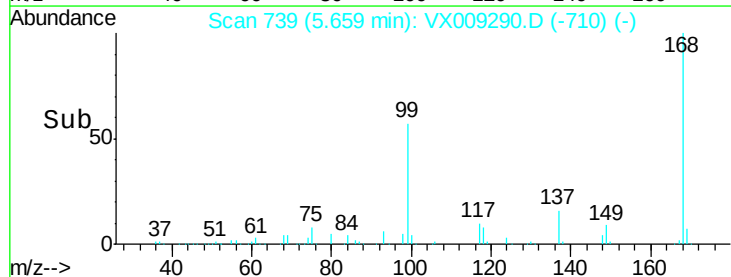
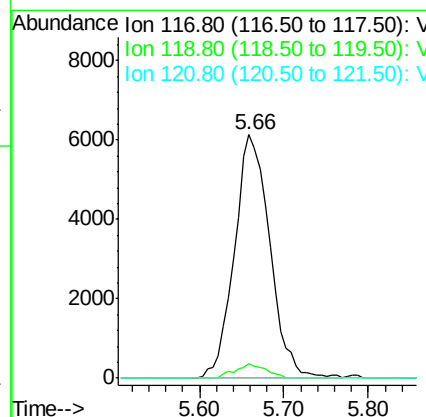
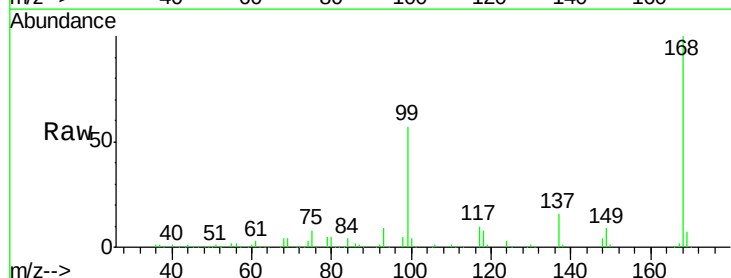
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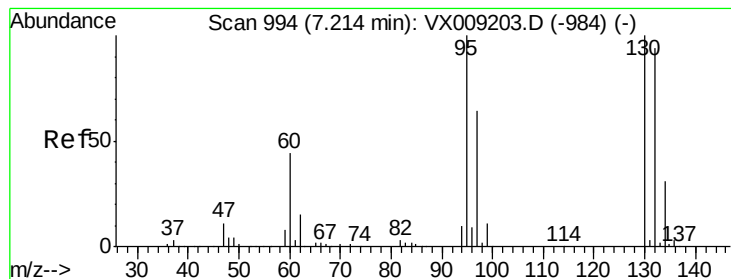
Tot Ion: 75 Resp: 14454
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 6.872 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009290.D
 Acq: 02 May 2019 21:56

Tgt Ion: 117 Resp: 17469
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.5 116.3#
 121 0.0 24.7 37.1#





#44

Trichloroethene

Concen: 3.188 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

Instrument :

MSVOA_X

ClientSampleId :

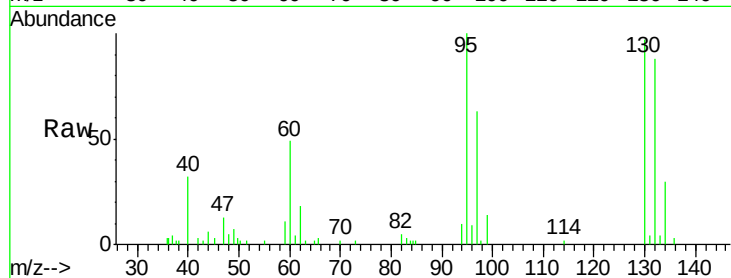
SS050MW052-190429

Tot Ion:130 Resp: 6674

Ion Ratio Lower Upper

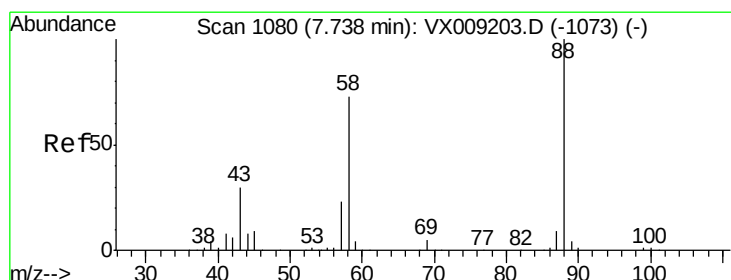
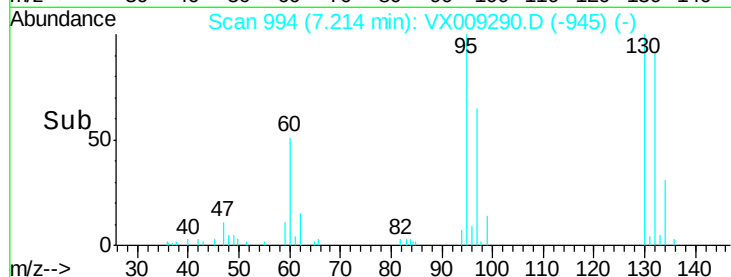
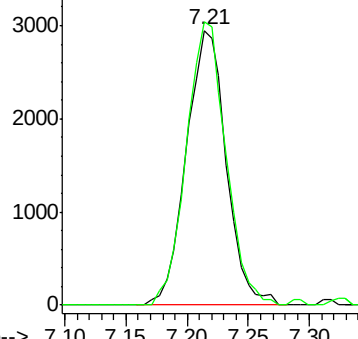
130 100

95 103.1 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 0.319 ug/l

RT: 7.69 min Scan# 1072

Delta R.T. -0.05 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

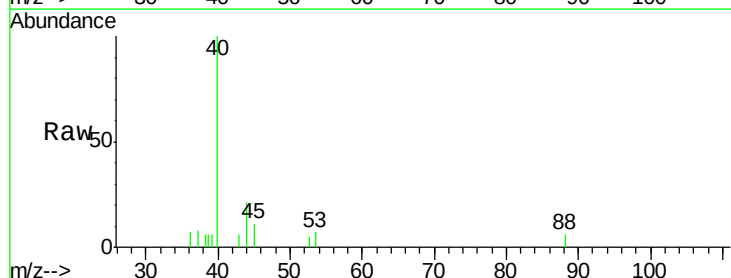
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 465.0 28.6 42.8#

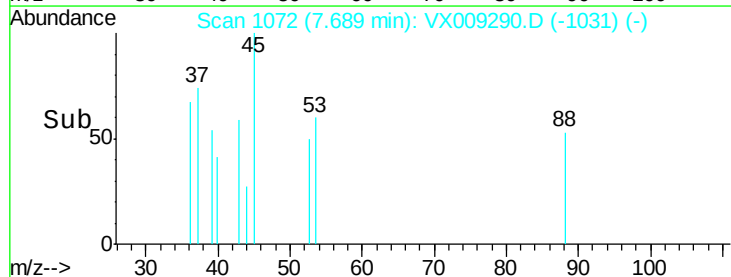
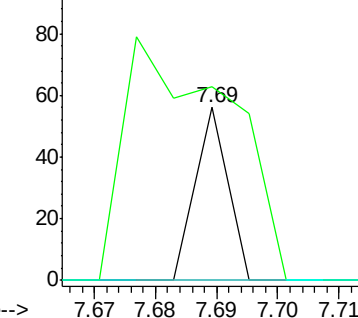
58 0.0 61.7 92.5#

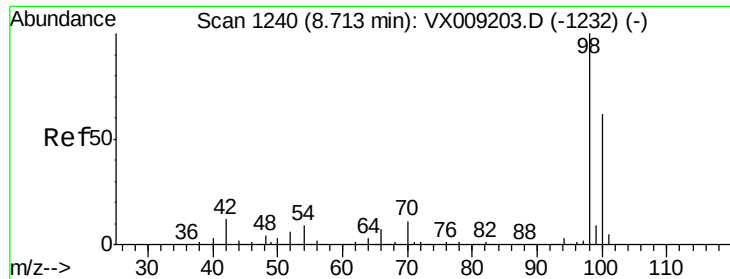


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

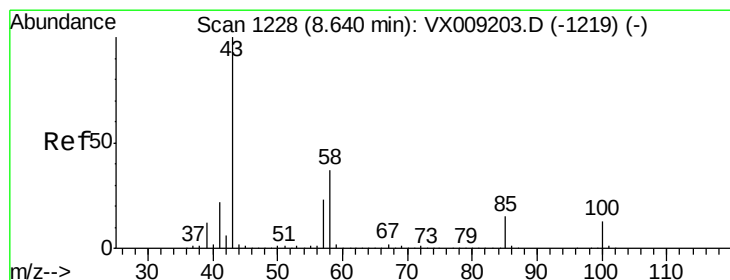
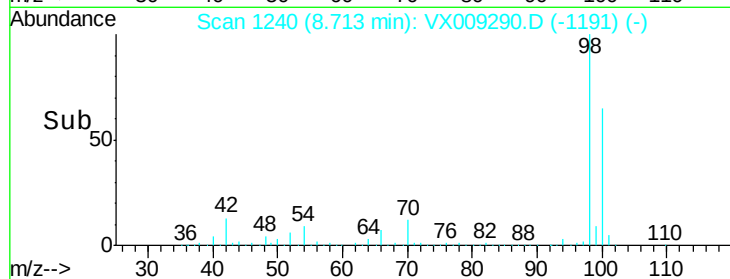
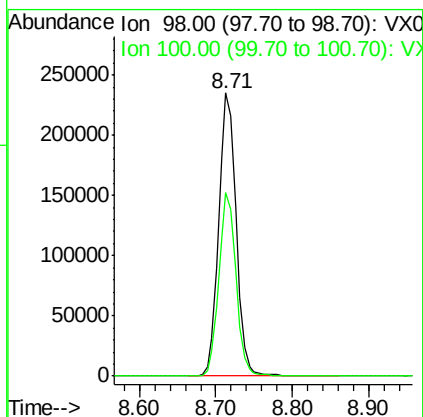
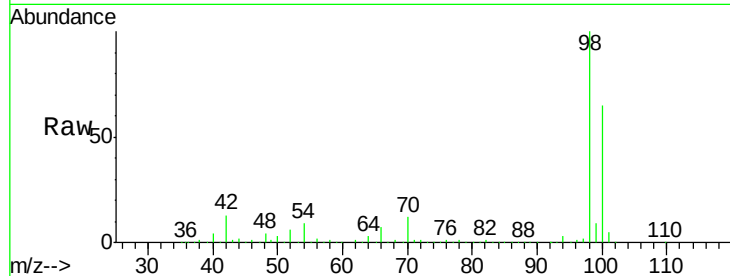




#50
Toluene-d8
Concen: 48.671 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

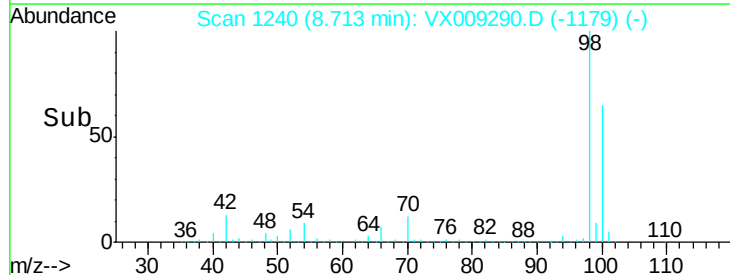
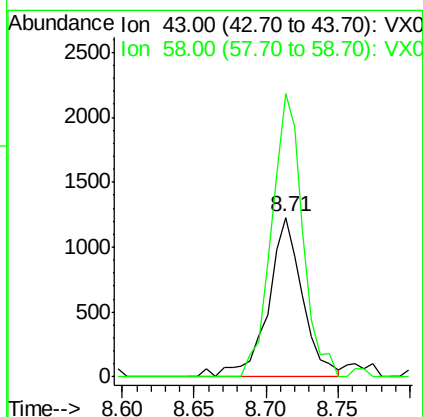
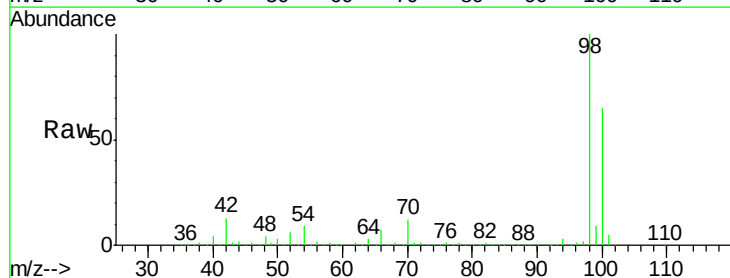
Instrument :
MSVOA_X
ClientSampleId :
SS050MW052-190429

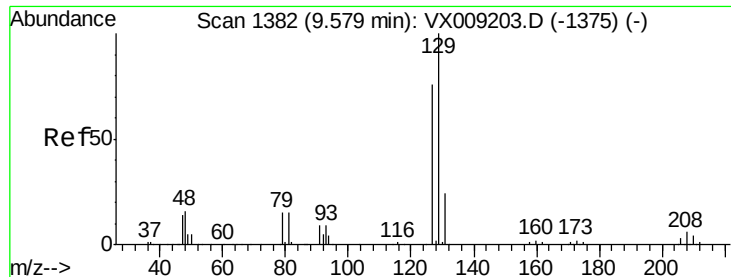
Tot Ion: 98 Resp: 371882
Ion Ratio Lower Upper
98 100
100 63.9 51.2 76.8



#51
4-Methyl-2-Pentanone
Concen: 0.501 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.07 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Tgt Ion: 43 Resp: 2043
Ion Ratio Lower Upper
43 100
58 159.6 29.5 44.3#

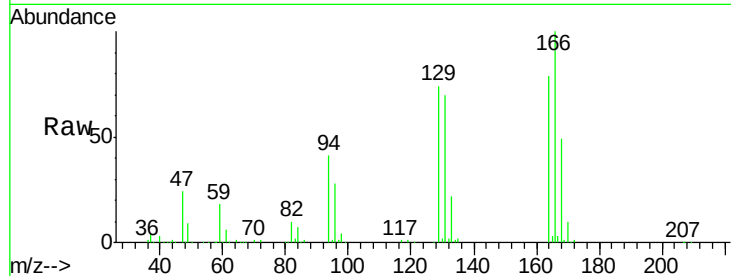




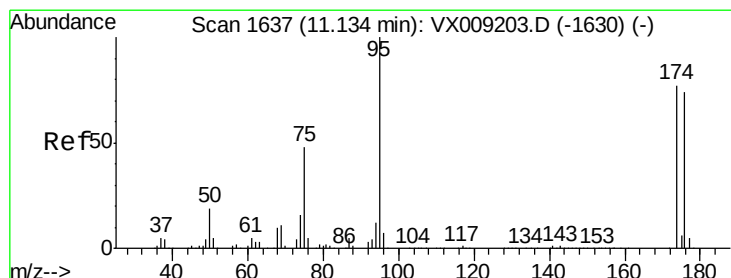
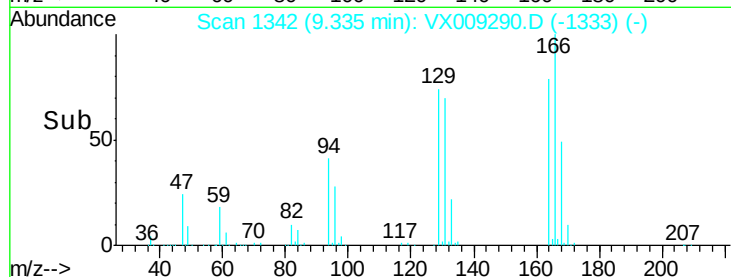
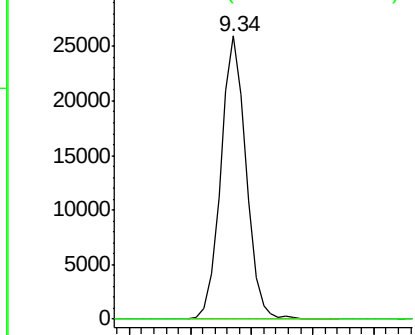
#60
 Dibromochloromethane
 Concen: 17.673 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009290.D
 Acq: 02 May 2019 21:56

Instrument :
 MSVOA_X
 ClientSampleId :
 SS050MW052-190429

Tot Ion:129 Resp: 37064
 Ion Ratio Lower Upper
 129 100
 127 0.2 38.4 115.1#

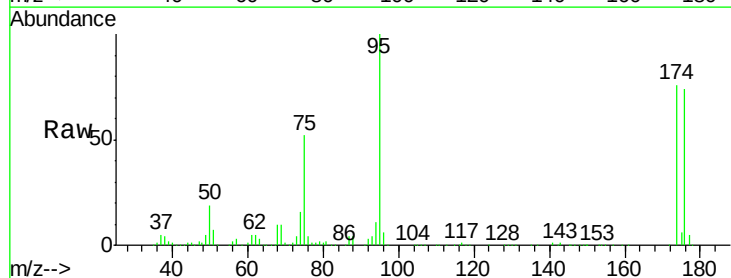


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

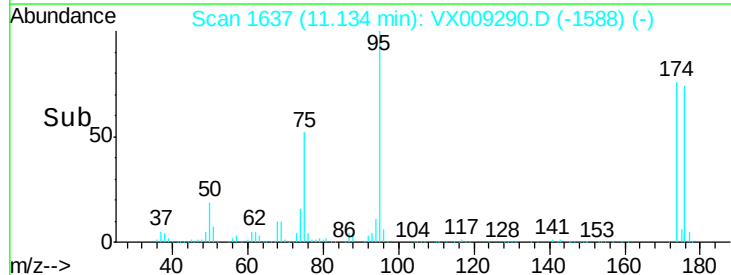
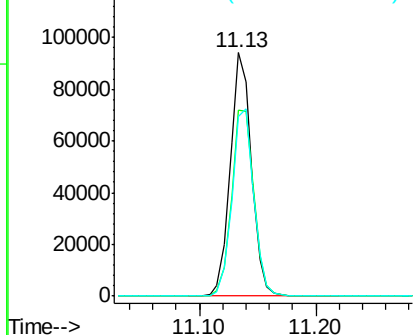


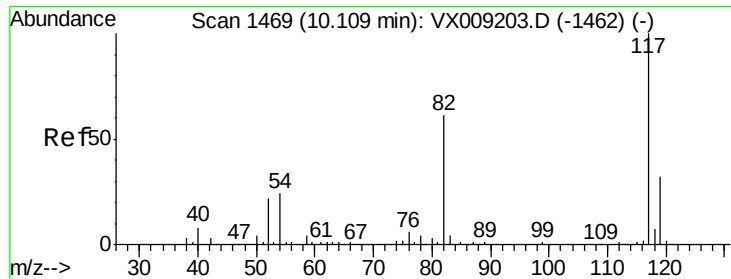
#62
 4-Bromofluorobenzene
 Concen: 42.923 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009290.D
 Acq: 02 May 2019 21:56

Tgt Ion: 95 Resp: 119170
 Ion Ratio Lower Upper
 95 100
 174 80.9 0.0 161.6
 176 79.2 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

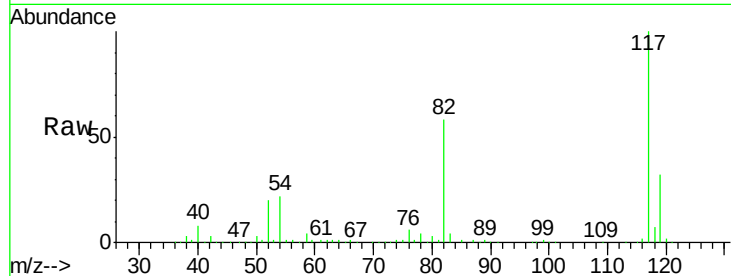




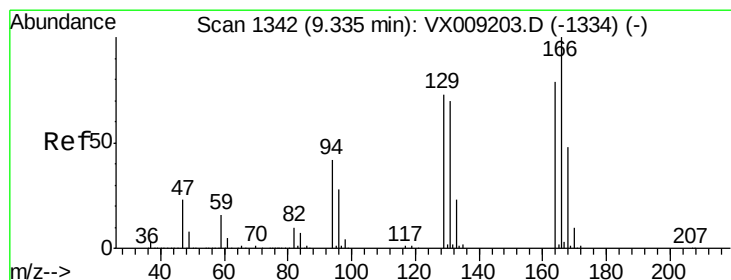
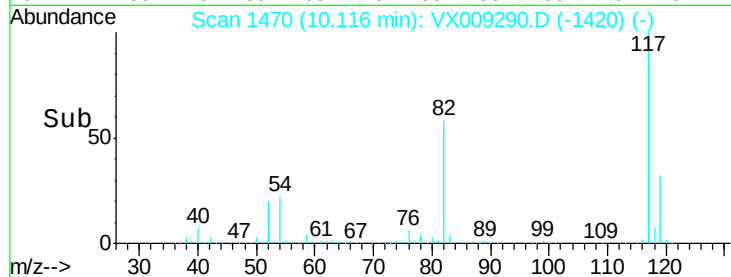
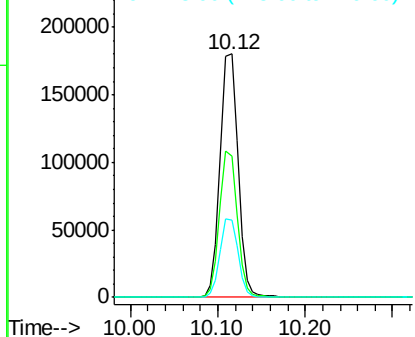
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Instrument :
MSVOA_X
ClientSampleId :
SS050MW052-190429

Tot Ion:117 Resp: 256983
Ion Ratio Lower Upper
117 100
82 58.0 48.8 73.2
119 31.6 25.8 38.6

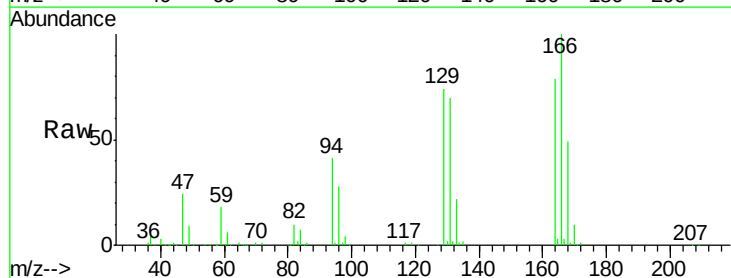


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

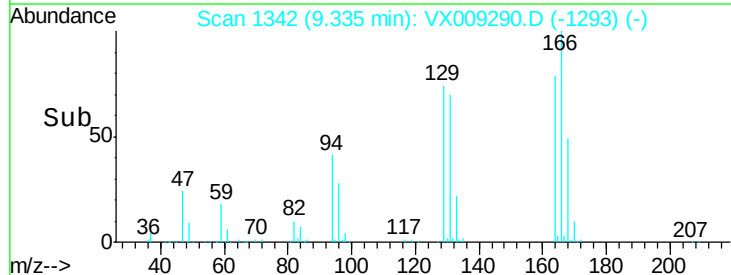
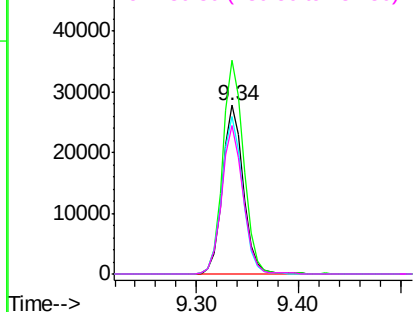


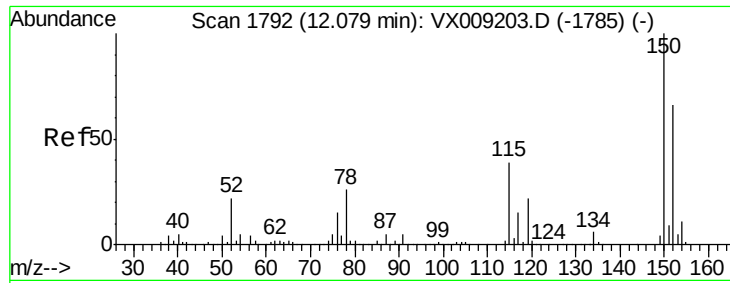
#64
Tetrachloroethene
Concen: 22.360 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Tgt Ion:164 Resp: 39416
Ion Ratio Lower Upper
164 100
166 126.9 101.2 151.8
129 93.5 74.3 111.5
131 88.4 71.0 106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



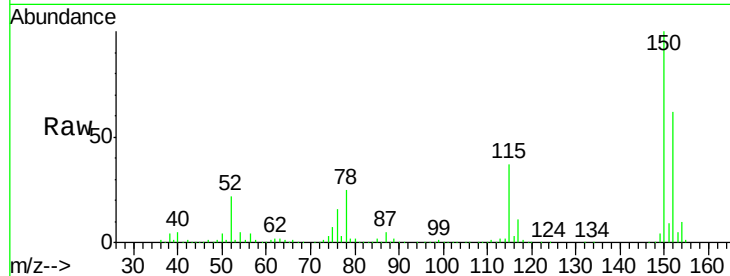


#72

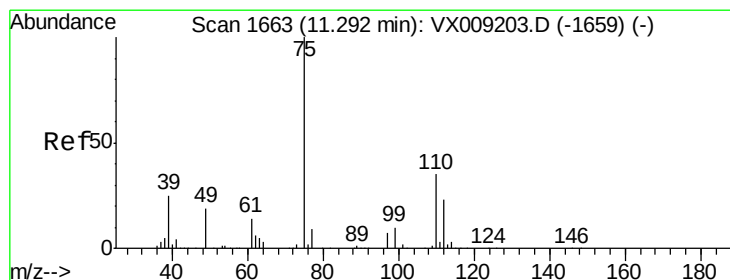
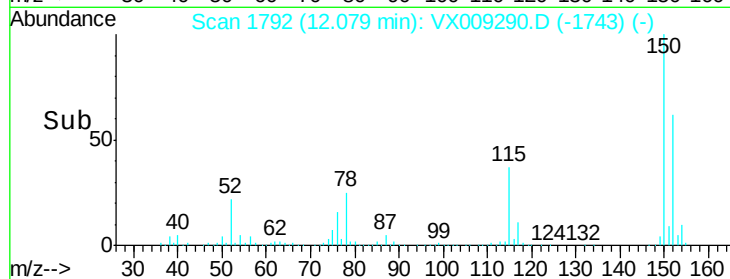
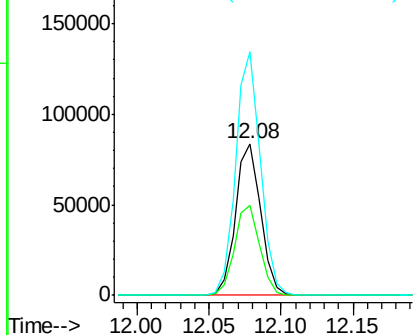
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Instrument :
MSVOA_X
ClientSampleId :
SS050MW052-190429

Tot Ion:152 Resp: 102594
Ion Ratio Lower Upper
152 100
115 59.6 41.2 123.6
150 157.6 0.0 346.4



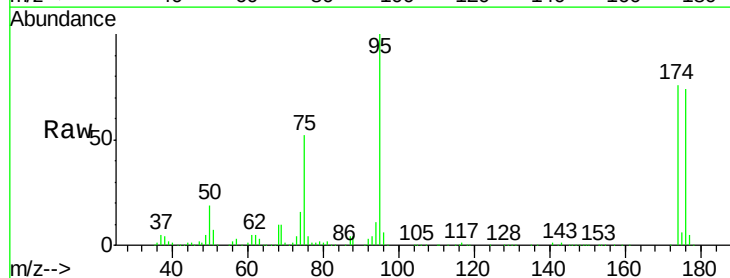
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



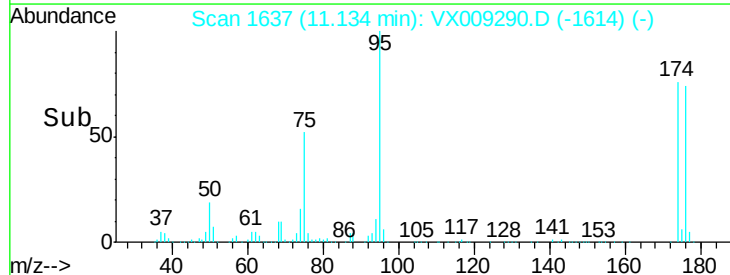
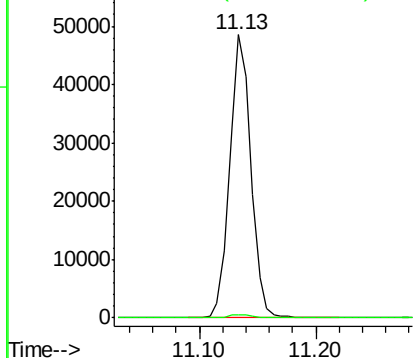
#76

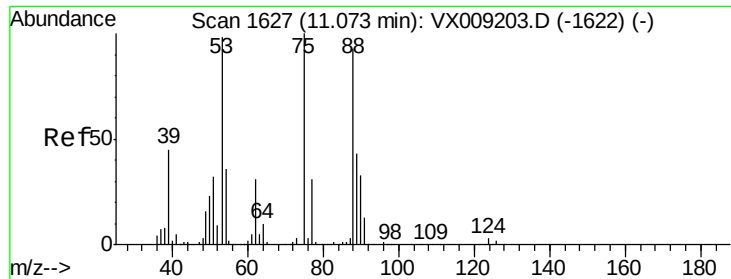
1,2,3-Trichloropropane
Concen: 25.859 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX009290.D
Acq: 02 May 2019 21:56

Tgt Ion: 75 Resp: 61539
Ion Ratio Lower Upper
75 100
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 66.163 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009290.D

Acq: 02 May 2019 21:56

Instrument :

MSVOA_X

ClientSampleId :

SS050MW052-190429

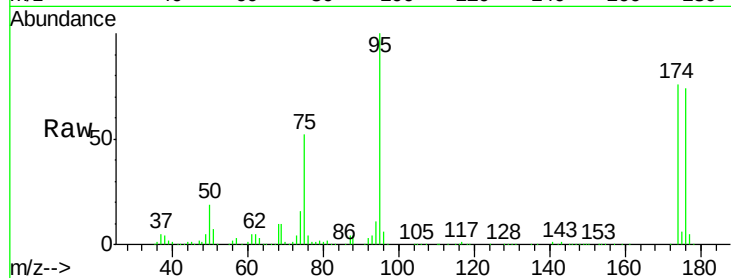
Tot Ion: 75 Resp: 61539

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.1 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

